

Appendix table 2-69.

Expenditures for R&D performance by majority-owned nonbank foreign affiliates of U.S. parent companies, by region/country: 1982, 1989, and 1994-96
(Millions of U.S. dollars)

Region/country	1982	1989	1994	1995	1996
Total	3,851	7,922	11,877	12,582	14,181
Canada	505	975	836	1,068	1,582
Europe	2,892	5,475	8,676	9,144	9,651
Belgium	223	313	469	292	369
France	332	521	1,372	1,271	1,326
Germany	1,079	1,726	2,849	3,068	3,061
Ireland	9	156	396	171	193
Italy	150	393	365	346	553
Netherlands	65	367	415	495	545
Spain	40	58	D	288	317
Sweden	28	31	72	691	439
Switzerland	60	59	191	242	189
United Kingdom	824	1,718	2,158	1,935	2,133
Other European countries	82	133	D	345	526
Asia and Pacific	238	1,272	1,775	1,865	2,073
Japan	112	1,000	1,130	1,286	1,337
Australia	114	190	230	287	409
Singapore	D	24	167	63	88
Other Asian and Pacific countries	D	58	248	229	239
Latin America and other					
Western Hemisphere	169	155	477	389	687
Brazil	97	92	238	249	489
Mexico	30	37	183	58	119
Other Latin America	42	26	56	82	79
Middle East	11	33	98	97	166
Israel	11	29	96	97	166
Other Middle East countries	D	4	2	D	D
Africa	25	11	15	19	21
South Africa	23	9	14	17	18
Other African countries	2	2	1	2	3

D = withheld to avoid disclosing operations of individual companies

NOTES: Includes expenditures for R&D conducted by affiliates, whether for themselves or for others under contract. They exclude expenditures for R&D conducted by others for affiliates under a contract. (These data series differ from those reported in previous *Science & Engineering Indicators* reports.) Benchmark survey statistics are reported for 1982, 1989, and 1994. Expenditures reported here differ from the National Science Foundation data reported in appendix table 2-68.

SOURCE: U.S. Bureau of Economic Analysis, *U.S. Direct Investment Abroad: Operations of U.S. Parent Companies and Their Foreign Affiliates* (Washington, DC: U.S. Government Printing Office, annual series).

See figures 2-37 and 2-40 in Volume I.

Science & Engineering Indicators – 2000

Appendix table 2-71.
R&D expenditures in the United States by majority-owned nonbank U.S. affiliates of foreign companies, by industry of affiliate and country of ultimate beneficial owner: 1980 and 1987-96
(Millions of current dollars)

Industry and region/country	1980	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total	1,517	4,497	5,485	6,720	8,511	9,127	10,745	11,262	12,671	14,846	15,003
Expenditures by industry											
Petroleum	175	283	339	378	D	D	551	420	400	399	430
Manufacturing	1,245	3,809	4,773	5,915	7,282	7,839	9,056	9,560	10,855	12,828	12,553
Food and kindred products	19	58	105	185	189	190	240	260	283	355	348
Chemicals and allied products	733	D	D	D	3,832	4,266	4,692	5,167	5,654	7,185	6,760
Industrial and other chemicals	501	D	D	D	1,465	D	D	D	1,429	2,904	1,357
Drugs and medicines	232	1,075	1,293	1,806	2,367	D	D	D	4,225	4,281	5,403
Rubber products	8	50	98	117	155	150	305	216	210	209	229
Stone, clay, and glass products	10	32	61	62	114	102	113	106	151	D	157
Primary metal industries	D	38	37	75	69	82	79	83	77	62	69
Fabricated metal products	D	62	100	201	138	132	136	155	165	150	106
Machinery, except electrical	92	D	446	556	645	602	609	529	551	673	651
Computer and office equipment	28	D	285	295	380	341	328	247	203	286	268
Other	65	79	161	260	264	261	281	282	348	388	383
Electrical and electronic equipment	285	D	1,114	1,078	1,533	1,562	1,880	2,061	2,549	2,743	2,863
Household audio & video, and comm. equip.	66	555	777	721	971	959	1,129	1,133	1,345	1,570	1,627
Electronic components and other	219	D	337	357	562	603	752	928	1,204	254	280
Transportation equipment	10	D	D	D	106	159	203	231	331	381	416
Professional and scientific instruments	28	254	210	295	333	411	556	524	578	606	637
Nonmanufacturing industries	97	405	373	427	D	D	1,138	1,282	1,416	1,619	2,020
Services	5	59	42	77	D	D	211	420	455	308	361
Wholesale trade	69	312	300	297	571	682	803	745	839	1178	1,533
Motor vehicles and equipment	D	86	67	71	283	277	252	220	182	285	370
Electrical goods	5	71	107	D	145	224	220	157	236	338	498
Other	23	34	31	53	D	D	124	117	122	555	665

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 2-71.
R&D expenditures in the United States by majority-owned nonbank U.S. affiliates of foreign companies, by industry of affiliate and country of ultimate beneficial owner: 1980 and 1987-96
 (Millions of current dollars)

Industry and region/country	Expenditures by region/country										
	1980	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Canada.....	113	D	D	D	D	D	D	D	D	1,337	1,380
Europe.....	1,217	3,458	4,241	5,414	6,762	7,275	8,325	8,628	9,487	11,442	11,245
France.....	39	332	402	510	766	913	1,230	1,190	1,383	1,529	1,514
Germany.....	281	824	963	1,216	1,435	1,596	1,855	2,003	2,147	3,563	2,748
Italy.....	D	D	73	93	151	143	91	132	157	172	127
Netherlands.....	D	540	615	690	757	642	685	674	719	786	930
Sweden.....	D	124	160	205	271	225	322	180	263	D	253
Switzerland.....	329	D	D	1,060	1,455	1,637	1,873	2,117	2,127	2,490	2,717
United Kingdom.....	247	790	1,085	1,568	1,809	1,987	2,090	2,139	2,428	2,316	2,442
Other European countries.....	16	47	D	72	118	132	179	193	263	D	514
Asia and Pacific.....	D	179	345	412	796	834	1,080	1,232	1,397	1,611	1,863
Japan.....	D	133	282	369	709	741	938	1,112	1,200	1,259	1,491
Other.....	D	46	63	43	87	93	142	120	197	352	372
Latin America & other Western Hemisphere.....	155	329	302	352	314	330	534	D	610	317	353
Middle East.....	2	14	9	10	9	9	20	38	62	72	95
Africa.....	D	D	D	D	D	D	4	5	2	D	D

D = withheld to avoid disclosing operations of individual companies

NOTES: The data include foreign direct investments of nonbank U.S. affiliates with 50 percent or more foreign ownership. These R&D expenditures are a subset of total foreign R&D expenditures reported in appendix table 2-70. The data exclude expenditures for R&D conducted for others under a contract.

SOURCE: U.S. Bureau of Economic Analysis, unpublished tabulations.

See figures 2-37, 2-41, and 2-42 in Volume I.

Page 2 of 2